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CLASSIFICATION [redacted]

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 13 April 1955

SUBJECT Development Work on Sonic Depth Finders and Echographs

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

25X1

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

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THIS IS UNEVALUATED INFORMATION

1. In early December 1954, the Wissenschaftlich-Technische Buero fuer Geraetebau (Scientific-Technical Bureau for Apparatus Construction) (WTBG) informed the Amt fuer Wasserwirtschaft (Office for Hydraulic Engineering) concerning the status of development work on sonic depth finders and echographs in the GDR. [redacted] the Koepenick radio engineering plant was manufacturing sonic depth finders and echographs working on a frequency of 30 kilocycles per second and designed for depths beginning at 100 meters. The accuracy of these sets is not very great and they are not suited for continuous operations. A shallow water sonic depth finder for measuring ranges up to 5 and 10 meters and a frequency of 50 kilocycles per second was also being built.

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2. In 1951, WTBG developed a sonic depth finder suited for depths to 10,000 meters for the USSR. This set was, however, rejected because it was not accurate enough. In late 1954, WTBG worked on the designs for an echograph suited for measurements in the 0 to 25-meter, 20 to 45 meter, 0 to 100-meter, 80 to 180-meter, 0 to 50-meter, and 40 to 90-meter ranges. This set was to be capable of seven soundings per second. Its development was to be based on the echograph produced by the firm of Fahrenholz in Kiel. In October 1954, this firm furnished to the GDR Hydrological Service an echograph which had a measuring range of up to 28 meters and which was absolutely exact in its measurements.

3. The Sea Hydrographic Service in Berlin-Friedrichshagen developed a set fitted with measuring ranges from 1 to 100 meters, 1 to 1,000 meters, and 1 to 10,000 meters. The set proved, however, little suited for measuring purposes.

[redacted] Comment: Dr. Siegfried Fahrentholz, Physiker, Echolot- u. HF-Labor, Clausewitzstr. 15, Kiel.

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ARMY #	x	AIR	x	FBI											

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CLASSIFICATION S-E-C-R-E-T

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